141527
7000003

Name: Sauget Area
LOG #: 95-2203

ATSDR Record of Activity

ROUTING:
E. Skowronski
TSS FILE

UID #: KEO1 Date: 2/8/95 Time: 10:30 am X pm _

Site Name: Sauget Area Site City: 5#IL Cnty: St. Clair
State: IL

CERCLIS #: _____ Cost Recovery #: ____ Region: 5

Site Status: (1) _ NPL _ Non-NPL _ RCRA _ Non-Site specific _ Federal
(2) _ Emergency Response _ Remedial _ Other:

Activities

_ Incoming Call	_ Public Meeting	X Health Consult	_ Site Visit
_ Outgoing Call	_ Other Meeting	_ Health Referral	_ Info Provided
_ Conference Call	_ Data Review	_ Written Response	_ Training
_ Incoming Mail	_ Other		

Requestor and Affiliation: (1) Sam Borries
Phone: _____ Address: _____
City: Chicago State: IL Zip Code: 60604

Contacts and Affiliation

(31) Louise Fabinski ( ) _____
( ) _____ ( ) _____

1-EPA	2-USCG	3-OTHER FED	4-STATE ENV	5-STATE HLT	6-COUNTY HLT
7-CITY HEALTH	8-HOSPITAL	9-LAW ENFORCE	10-FIRE DEPT	11-POISON CTR	
12-PRIV CITZ	13-OTHER	14-UNKNOWN	15-DOD	16-DOE	
17-NOAA	18-OTHR STATE	19-OTHR CNTY	20-OTHR CITY	21-INTL	
22-CITZ GROUP	23-ELECT. OFF	24-PRIV. CO	25-NEWS MEDIA	26-ARMY	
27-NAVY	28-AIR FORCE	29-DEF LOG AGCY	30-NRC	31-ATSDR	

Program Areas

_ Health Assessment	_ Health Studies	_ Tox Info-profile
_ Worker Health	_ Petition Assessment	_ Health Surveillance
_ Tox Info-Nonprofile	_ Administrative	_ Emergency Response
_ Disease Registry	_ Subst-Spec Research	_ Other
X Health Consultation	_ Exposure Registry	_ Health Education

Narrative Summary:

The EPA-Region 5 provided ATSDR with data and information on the Sauget Area 1 - Site G and Sauget Area 2 - Site Q. The EPA specifically asked us to recommend soil cleanup levels for polychlorinated biphenyls (PCBs) and 2,3,7,8-tetrachloro-p-dibenzodioxin (dioxin) at the sites.

Site G and Site Q are landfilled areas where municipal and industrial wastes were previously disposed. At Site G, high concentrations of PCBs (15,000 ppm) and dioxin (TCDD equivalents - 138 ppb) were detected in surface soil samples. Other organochlorine contaminants identified in surface soil samples include pentachlorophenol, 2,4,6-

trichlorophenol, and 2,4-dichlorophenol. In 1994, the local fire department was called to the site four times to extinguish fires that presumably resulted from spontaneous combustion. Dioxin can be a trace contaminant of pentachlorophenol and other chlorinated phenols, or it can arise during the incineration of organochlorine compounds.

At site Q, 55-gallon drums were observed protruding from the soil at several locations. Samples of material from the drums contained high concentrations of PCBs (230,000 ppm), as well as other chlorinated phenolic compounds.

The land near the sites is highly industrialized. Site G is fenced, and the nearest residences (mobile homes) are about 250-300 feet topographically up-gradient of the site. Site Q occupies 90 acres and is not fenced. The nearest private residences are 1-1.5 miles from Site Q.

Discussion/Recommendations:

Sites G and Q are expected to remain industrial. Access by nearby residents, including children, is expected to be minimal.

For industrial use land, the EPA has recommended a soil action level for PCBs in the range of 10-25 ppm. Because of the limited opportunity for chronic exposure to contaminated soil at these sites, a cleanup level in the upper end of this range would be protective of public health.

For industrial use land where contact with contaminated soil is limited, ATSDR has previously concurred with 20 ppb as a soil concentration of dioxin (TCDD equivalents) that is protective of public health.

Signature: Kenneth G. Orloff, Ph.D. Kenneth G. Orloff Date: 2/17/95

Concurrence: [signature] Date: 2/17/95

Enclosures: Yes ( ) No (x); MIS entered: Yes ( ) No (x)

cc: E. Skowronski
PERIS